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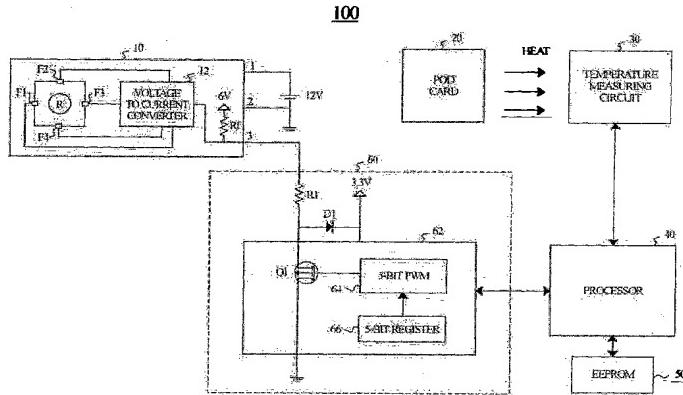
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(54) Title: APPARATUS AND METHOD FOR CONTROLLING TEMPERATURE



(57) **Abstract:** A temperature control apparatus (100-400) for use in devices such as consumer electronics devices having different thermal characteristics. The temperature control apparatus (100-400) includes a fan (10) having a field winding (F3) and a speed controller (12) for providing a speed control signal to the field winding (F3) responsive to a first control signal to control a rotating speed of the fan (10). First and second terminals (1, 2) of the fan (10) enable operating power to be provided to the field winding (F3) and the speed controller (12). At least one of the first and second terminals (1, 2) is operatively coupled to a first voltage source. A third terminal (3) of the fan (10) provides the first control signal to the speed controller (12), and is operatively coupled to a second voltage source. The temperature control apparatus (100-400) further includes a temperature measuring circuit (30) operative to measure a temperature and provide a temperature indicating signal indicating the measured temperature, a processor (40) operative to provide a second control signal responsive to the temperature indicating signal, and control circuitry (60) operative to provide the first control signal to the third terminal (3) of the fan (10) responsive to the second control signal.

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